## INTENATIONAL SEARCH REPORT

Internation No PCT/EP2005/000111

A CLASSI IPC 7	FIGHTON OF SUBJECT MATTER F16K31/04			
According to	o International Patent Classification (IPC) or to both national class	illication and IPC		
B. FIELDS	SEARCHED			
Minimum do IPC 7	ocumentation searched (classification system followed by classification F16K E21B H02K B63C B63B	cation symbols)		
	tion searched other than minimum documentation to the extent th			
ľ	ata base consulted during the International search (name of data ternal, WPI Data, PAJ	base and, where practical, search terms used	)	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.	
Х	US 2002/011580 A1 (JOHANSEN JOH	1-4,6-9		
Y	31 January 2002 (2002-01-31) column 5, line 28 - column 7, l figures	ine 60;	5	
Υ	GB 2 198 766 A (* K E INTERNATI LIMITED) 22 June 1988 (1988-06- figure 6	766 A (* K E INTERNATIONAL 22 June 1988 (1988-06-22)		
Х	US 5 447 078 A (ROBINSON, JR. E 5 September 1995 (1995-09-05) figures 1,2	ET AL)	1	
х	US 3 324 875 A (ANDERSON CLIFFO 13 June 1967 (1967-06-13) figure 1	ORD E)	1	
		-/		
		•		
X Fur	ther documents are listed in the continuation of box C.	X Patent family members are listed	in annex.	
° Special o	ategories of cited documents :	"T" later document published after the into	emational filing date	
"A" document defining the general state of the art which is not considered to be of particular relevance		or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier document but published on or after the International filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
which	ient which may throw doubts on priority claim(s) or n is cited to establish the publication date of another on or other special reason (as specified)	"Y" document of particular relevance; the	claimed Invention	
"O" docum	nent referring to an oral disclosure, use, exhibition or reans	document is combined with one or ments, such combination being obvious in the art.	ore otner such docu-	
"P" docum later	nent published prior to the International filing date but than the priority date claimed	"&" document member of the same paten		
Date of the	actual completion of the International search	Date of mailing of the international sec	arch report	
- 2	28 April 2005	13/05/2005		
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer		
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, 534 (431-70) 340-3316	Rusanu, I		

2



International Application No	
PCT/EP2005/000111	

(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
tegory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.			
	US 5 166 677 A (SCHOENBERG ET AL) 24 November 1992 (1992-11-24) figures 1,2	1			
	·	·			

## INT NATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2005/000111

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002011580	A1	31-01-2002	NO GB	20002528 A 2364396 A ,B	19-11-2001 23-01-2002
GB 2198766	Α	22-06-1988	NONE		# <del></del>
US 5447078	Α	05-09-1995	CA	2132050 A1	18-03-1995
US 3324875	A	13-06-1967	US AT DE GB NL	3335740 A 266529 B 1475903 B1 1085547 A 6505789 A	15-08-1967 25-11-1968 25-06-1970 04-10-1967 08-11-1965
US 5166677	Α	24-11-1992	NONE		